IN THE CLAIMS

1. (Currently Amended) A laminated glazing material with properties of acoustic insulation and mechanical strength, said glazing material comprising two glass sheets and a single-ply intermediate layer abutting the two glass sheets, the intermediate layer being in the form of a polymeric film and having a thickness, wherein the thickness of the intermediate layer is equal to at least $d_{ref} J_{ref}/J_c$, where:

J_c is a critical energy value specific to a material of the intermediate layer and representative of an energy necessary for propagation of a crack initiated in the intermediate layer;

J_{ref} is a reference critical energy value which corresponds to a critical energy value of a polyvinyl butyral (PVB) film and is equal to 35,100 J/m² for a temperature of 20°C and for a drawing rate of 100 mm/min applied to the PVB film; and

 d_{ref} is a reference thickness which corresponds to that of the PVB film and is equal to 0.38 mm,

wherein the intermediate layer satisfies acoustic property criteria defined by a bar of 9 cm length and 3 cm width, made of laminated glass comprising two glass sheets of 4 mm thickness joined by the intermediate layer having a thickness of 2 mm, has a critical frequency which differs at most by 35% from that of a glass bar having a same length, a same width and a thickness of 4 mm.

- 2. (Cancel)
- 3. (Currently Amended) The A laminated glazing material according to Claim 1 with properties of acoustic insulation and mechanical strength, said glazing material comprising

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two glass sheets and a single-ply intermediate layer abutting the two glass sheets, the intermediate layer being in the form of a polymeric film and having a thickness, wherein the thickness of the intermediate layer is equal to at least $d_{ref} J_{ref} J_c$, where:

 J_c is a critical energy value specific to a material of the intermediate layer and representative of an energy necessary for propagation of a crack initiated in the intermediate layer;

J_{ref} is a reference critical energy value; and

d_{ref} is a reference thickness,

wherein the intermediate layer has a loss factor greater than 0.6 and a shear modulus of between 1×10^8 and 2×10^7 N/m² in a temperature range of between 10 and 60°C and in a frequency range of between 50 and 10,000 Hz.

- 4. (Cancel)
- 5. (Cancel)
- 6. (Cancel)
- 7. (Currently Amended) A polymer film having a thickness for use as only one intermediate layer of a laminated glazing material, wherein the thickness is equal to at least $d_{ref} J_{ref}/J_c$, where:

J_c is a critical energy value specific to a material of the intermediate layer and representative of an energy necessary for propagation of a crack initiated in the intermediate layer;

J_{ref} is a reference critical energy value which corresponds to the critical energy value

of a polyvinyl butyral (PVB) film and is equal to 35,100 J/m² for a temperature of 20°C and

for a drawing rate of 100 mm/min-applied to the PVB film; and

d_{ref} is a reference thickness which corresponds to that of the PVB film and is equal to

0.38 mm,

wherein the intermediate layer satisfies acoustic property criteria defined by a bar of 9

cm length and 3 cm width, made of laminated glass comprising two glass sheets of 4 mm

thickness joined by the intermediate layer having a thickness of 2 mm, has a critical frequency

which differs at most by 35% from that of a glass bar having a same length, a same width and

a thickness of 4 mm.

8. (Cancel)

9. (Cancel)

10. (Cancel)

11. (Currently Amended) The A polymer film according to Claim 7 having a

thickness for use as only one intermediate layer of a laminated glazing material, wherein the

thickness is equal to at least $d_{ref} J_{ref}/J_c$, where:

J_c is a critical energy value specific to a material of the intermediate layer and

representative of an energy necessary for propagation of a crack initiated in the intermediate

layer;

J_{ref} is a reference critical energy value; and

d_{ref} is a reference thickness,

wherein the intermediate layer has a loss factor greater than 0.6 and a shear modulus

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of between 1×10^8 and 2×10^7 N/m² in a temperature range of between 10 and 60°C and in a frequency range of between 50 and 10,000 Hz.

- 12. (Previously Presented) The laminated glazing material according to Claim 1, wherein the polymer film is a composite comprising a polymer and reinforcing fibers embedded in the polymer.
- 13. (Previously Presented) The polymer film according to Claim 7, wherein the intermediate layer is a composite comprising a polymer and reinforcing fibers embedded in the polymer.
- 14. (New) The laminated glazing material according to Claim 1, wherein the reference critical energy value corresponds to a critical energy value of a polyvinyl butyral (PVB) film and is equal to 35,100 J/m² for a temperature of 20°C and for a drawing rate of 100 mm/min applied to the PVB film, and wherein the reference thickness corresponds to that of the PVB film and is equal to 0.38 mm.
- 15. (New) The laminated glazing material according to Claim 3, wherein the reference critical energy value corresponds to a critical energy value of a polyvinyl butyral (PVB) film and is equal to 35,100 J/m² for a temperature of 20°C and for a drawing rate of 100 mm/min applied to the PVB film, and wherein the reference thickness corresponds to that of the PVB film and is equal to 0.38 mm.
- 16. (New) The polymer film according to Claim 7, wherein the reference critical energy value corresponds to the critical energy value of a polyvinyl butyral (PVB) film and is equal to 35,100 J/m² for a temperature of 20°C and for a drawing rate of 100 mm/min applied to the PVB film, and wherein the reference thickness corresponds to that of the PVB film and

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is equal to 0.38 mm.

17. (New) The polymer film according to Claim 11, wherein the reference critical

energy value corresponds to the critical energy value of a polyvinyl butyral (PVB) film and is

equal to 35,100 J/m² for a temperature of 20°C and for a drawing rate of 100 mm/min applied

to the PVB film, and wherein the reference thickness corresponds to that of the PVB film and

is equal to 0.38 mm.

18. (New) The laminated glazing material according to Claim 3, wherein the polymer

film is a composite comprising a polymer and reinforcing fibers embedded in the polymer.

19. (New) The polymer film according to Claim 11, wherein the intermediate layer is

a composite comprising a polymer and reinforcing fibers embedded in the polymer.

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